Pioneer

Upgrade Instructions and Operation Manual Addendum

2010 NAVIGATION UPGRADE SD-CARD

CNSD-110FM

This software upgrade will result in changes to certain features and availability of information. While the changes are intended to improve the overall user experience for most users, Pioneer and its licensors disclaim any warranty or liability for damages in connection with such changes.

English

Contents

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly.

Important

- The screens shown in the examples may differ from actual screens.
- Actual screens may be changed without notice for performance and function improvements.

01 Precaution
In case of trouble **3**
SD memory card **3**
Manual overview **3**
Conventions used in this manual **3**
Models to be upgraded **4**
Visit our website **4**
Setting items to be deleted and initialised by upgrade **4**
Functions disabled by upgrade **4**

02 Licence agreement
PIONEER CNSD-110FM **6**
TERMS AND CONDITIONS FOR TELE ATLAS DATA **8**
– End User Licensing Terms **8**
Licenses **13**

03 About the database
About the data for the map database **18**

04 Instructions for upgrading
The navigation system upgrade process **19**
Preparation for upgrade **19**
– Checking the device number **19**
– Getting the password for authentication **19**
Upgrade procedures **20**
– Upgrading the software programme and the map database **20**
– Checking whether the upgrade was done properly **21**
– Updating the Bluetooth wireless technology software **21**

05 Changes on the upgraded programme
Eco-driving function **23**
Displaying tick marks on the “Overlay POI (Main Category)” screen **23**
AV functions **23**
– Interruption icon status **23**
Switching the playback of the voice recognition beep **23**
Setting the illumination colour **23**

06 Playing a DVD-VR disc
Starting procedure **24**
Reading the screen **24**
Using the touch panel keys **25**
– Playing by selecting from the title list **26**
– Searching for a specific scene and starting playback from a specified time **26**
– Switching the playback mode **27**
– Using the short-time skip function **27**
– Frame-by-frame playback **27**
– Slow motion playback **27**
Using the “Function” menu **28**

Troubleshooting
Problems in the procedures for updating **29**
Messages in the procedures for updating **29**

- Read the entire manual before upgrading the programme of your navigation system.
- This package is unique, and cannot be installed on more than one unit.
- Web-connected computer is required for online issuance of password.

In case of trouble

- Should the navigation system fail to operate properly, contact your dealer or nearest authorised Pioneer Service Station.
- Do not lose the supplied Media Number Card (MEDIA NUMBER CARD). If the Media Number Card is lost, reissue of the Media Number (MEDIA NUMBER) is not possible. Also you must submit the Media Number Card when repairs are needed. The card is necessary as proof of authenticity if service is required (including recovery).

SD memory card

The SD memory card and SDHC memory card are collectively referred to as the “SD memory card”.

- ❒ Keep the SD memory card out of the reach of small children to prevent them from accidentally swallowing it.
- ❒ Do not store the SD memory card in high temperatures or direct sunlight.
- ❒ Do not subject the SD memory card to shock or impact.
- ❒ Do not allow the SD memory card to come into contact with liquids. Damage to the SD memory card and your products could result from contact with liquids.
- ❒ Be careful not to touch terminals on the SD memory card. Doing so may cause connection failures. If any terminals are dirty, wipe them with a clean dry cloth.

❒ SDHC Logo is a trademark of SD-3C, LLC.

❒ SD Logo is a trademark of SD-3C, LLC.

Manual overview

This manual describes how to get the password and activate the upgrade. It also provides an overview of how functions change after the upgrade.

By upgrading AVIC-F10BT with this product, functions and operations will be equivalent to AVIC-F20BT. Therefore, obtain the Operation Manual for AVIC-F20BT and use it as your primary reference.

http://www.pioneer.eu

Conventions used in this manual

Before moving on, take a few minutes to read the following information about the conventions used in this manual. Familiarity with these conventions will help you greatly as you learn how to use your new equipment.

- Buttons on your navigation system are described in **ALL CAPITAL**, **BOLD** lettering: e.g.)
  Press the **MODE** button or the **HOME** button.

- Items in different menus, screen titles, and functional components are described in **bold** with double quotation marks " ":
  e.g.)
  Displaying the "**System Settings**" screen
- Touch panel keys that are available on the screen are described in **bold** in brackets []:
  e.g.)
  Touch [**Settings**].
- Extra information, alternatives and other notes are presented in the following format:
  e.g.)
  ❒ If the home location has not been stored yet, set the location first.
- Descriptions of separate operations to be performed on the same screen are indicated with ■ at the beginning of the description:
  e.g.)
  ■ Touch [**OK**].
- References are indicated like this:
  e.g.)
  ➲ For details of the operation, refer to *Checking the device number* on page 19.■

Models to be upgraded

This package can upgrade the software programme and database of the following models:
AVIC-F10BT■

Visit our website

Visit us at the following site:
http://www.pioneer.eu

- Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
- We offer the latest information about Pioneer Corporation on our website.■

Setting items to be deleted and initialised by upgrade

The following data and settings will be cleared and reset to default values. Other items will be retained. However, some items are not listed because the setting can be easily recovered by users, such as the last cursor position on the map screen.

Route setting
- Current route
- Learning route data

Map function
Setting of "**Overlay POI**"

Others
Black spot data

The user data stored in the internal memory of the unit may be erased if an unexpected error occurs during software installation. Pioneer is not responsible for any data loss or unavailability of user data.

■

Functions disabled by upgrade

Upgrading disables the following functions.

Displaying Voice icon
The **Voice** icon displayed on the map screen will no longer appear.

Switching the auto aerial setting
Auto aerial settings will be unavailable.
Aerial extension will be linked with navigation system power on or off.

Changing the voice output of the navigation guidance
Speaker output settings for guidance audio and phone audio will be unavailable.
Navigation guidance and phone audio will be output from both left and right speakers.

Displaying power voltage

"**Power Voltage**" on the "**Status**" screen will no longer appear.

PIONEER CNSD-110FM

THIS IS A LEGAL AGREEMENT BETWEEN YOU, AS THE END USER, AND PIONEER CORP. (JAPAN) (“PIONEER”). PLEASE READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CAREFULLY BEFORE USING THE SOFTWARE INSTALLED ON THE PIONEER PRODUCTS. BY USING THE SOFTWARE INSTALLED ON THE PIONEER PRODUCTS, YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT. THE SOFTWARE INCLUDES A DATABASE LICENSED BY THIRD PARTY SUPPLIER(S) (“SUPPLIERS”), AND YOUR USE OF THE DATABASE IS COVERED BY THE SUPPLIERS’ SEPARATE TERMS, WHICH ARE ATTACHED TO THIS AGREEMENT (refer to page 8). IF YOU DO NOT AGREE WITH ALL OF THESE TERMS, PLEASE RETURN THE PIONEER PRODUCTS (INCLUDING THE SOFTWARE, AND ANY WRITTEN MATERIALS) WITHIN FIVE (5) DAYS OF RECEIPT OF THE PRODUCTS, TO THE AUTHORISED PIONEER DEALER FROM WHICH YOU PURCHASED THEM.

1 GRANT OF LICENCE

Pioneer grants to you a non-transferable, non-exclusive licence to use the software installed on the Pioneer products (the “Software”) and the related documentation solely for your own personal use or for internal use by your business, only on such Pioneer products.
You shall not copy, reverse engineer, translate, port, modify or make derivative works of the Software. You shall not loan, rent, disclose, publish, sell, assign, lease, sublicence, market or otherwise transfer the Software or use it in any manner not expressly authorised by this agreement. You shall not derive or attempt to derive the source code or structure of all or any portion of the Software by reverse engineering, disassembly, decompilation, or any other means. You shall not use the Software to operate a service bureau or for any other use involving the processing of data for other persons or entities.
Pioneer and its licensor(s) shall retain all copyright, trade secret, patent and other proprietary ownership rights in the Software. The Software is copyrighted and may not be copied, even if modified or merged with other products. You shall not alter or remove any copyright notice or proprietary legend contained in or on the Software.
You may transfer all of your licence rights in the Software, the related documentation and a copy of this Licence Agreement to another party, provided that the party reads and agrees to accept the terms and conditions of this Licence Agreement.

2 DISCLAIMER OF WARRANTY

The Software and related documentation are provided to you “AS IS”. PIONEER AND ITS LICENSOR(S) (for the purpose of provisions 2 and 3, Pioneer and its licensor(s) shall be collectively referred to as “Pioneer”) MAKES AND YOU RECEIVE NO WARRANTY, WHETHER EXPRESS OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. SOME COUNTRIES DO NOT ALLOW EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. The Software is complex and may contain some non-conformities, defects or errors. Pioneer does not warrant that the Software will meet your needs or expectations, that operation of the Software will be error free or uninterrupted, or that all non-conformities can or will be corrected. Furthermore, Pioneer does not make any representations or warranties regarding the use or results of the use of the Software in terms of its accuracy, reliability or otherwise.

3 LIMITATION OF LIABILITY

IN NO EVENT SHALL PIONEER BE LIABLE FOR ANY DAMAGES, CLAIM OR LOSS INCURRED BY YOU (INCLUDING, WITHOUT LIMITATION, COMPENSATORY, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES, LOST PROFITS, LOST SALES OR BUSINESS, EXPENDITURES, INVESTMENTS, OR COMMITMENTS IN CONNECTION WITH ANY BUSINESS, LOSS OF ANY GOODWILL, OR DAMAGES) RESULTING FROM THE USE OF OR INABILITY TO USE THE SOFTWARE, EVEN IF PIONEER HAS BEEN INFORMED OF, KNEW OF, OR SHOULD HAVE KNOWN OF THE LIKELIHOOD OF SUCH DAMAGES. THIS LIMITATION APPLIES TO ALL CAUSES OF ACTION IN THE AGGREGATE, INCLUDING WITHOUT LIMITATION BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY, MISREPRESENTATION, AND OTHER TORTS. IF PIONEER'S WARRANTY DISCLAIMER OR LIMITATION OF LIABILITY SET FORTH IN THIS AGREEMENT SHALL OR FOR ANY REASON WHATSOEVER BE HELD UNENFORCEABLE OR INAPPLICABLE, YOU AGREE THAT PIONEER'S LIABILITY SHALL NOT EXCEED FIFTY PERCENT (50%) OF THE PRICE PAID BY YOU FOR THE ENCLOSED PIONEER PRODUCT.

Some countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty disclaimer and limitation of liability shall not be applicable to the extent that any provision of this warranty is prohibited by any country or local law which cannot be pre-empted.

4 EXPORT LAW ASSURANCES

You agree and certify that neither the Software nor any other technical data received from Pioneer, nor the direct product thereof, will be exported outside the country or district (the "Country") governed by the government having jurisdiction over you (the "Government") except as authorised and as permitted by the laws and regulations of the Government. If the Software has been rightfully obtained by you outside of the Country, you agree that you will not re-export the Software nor any other technical data received from Pioneer, nor the direct product thereof, except as permitted by the laws and regulations of the Government and the laws and regulations of the jurisdiction in which you obtained the Software.

5 TERMINATION

This Agreement is effective until terminated. You may terminate it at any time by destroying the Software. The Agreement also will terminate if you do not comply with any terms or conditions of this Agreement. Upon such termination, you agree to destroy the Software.

6 MISCELLANEOUS

This is the entire Agreement between Pioneer and you regarding its subject matter. No change in this Agreement shall be effective unless agreed to in writing by Pioneer. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect. ▣

TERMS AND CONDITIONS FOR TELE ATLAS DATA

End User Licensing Terms

THIS IS A LEGAL AGREEMENT (THE "AGREEMENT") BETWEEN YOU, THE END USER, AND PIONEER and its licensors of Data product (sometimes collectively "Licensors"). BY USING YOUR COPY OF THE LICENSED DATA, YOU AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT.

1 Grant of License.

Licensors grant you a non-transferable, nonexclusive license to use the map data and business points of interest information (the "POIs"), owned by Tele Atlas, (together, the "Data") contained on these discs, solely for personal, non-commercial use and not to operate a service bureau or for any other use involving the processing of data of other persons or entities. You may make one (1) copy of the Data for archival or backup purposes only but you may not otherwise copy, reproduce, modify, make derivative works, derive the structure of or reverse engineer the Data. The Data is restricted for use with the PIONEER Product(s). The Data contains confidential and proprietary information and materials, and may contain trade secrets, so you agree to hold the Data in confidence and in trust and not to disclose the Data or any portions in any form, including by renting, leasing, publishing, leasing, sublicensing or transferring the Data to any third party. You are explicitly prohibited from downloading the digital maps and programmes contained in the Data or from transferring these to another data carrier or computer. You are prohibited from removing or obscuring any copy right, trademark notice or restricted legend.

2 Ownership.

The Data is copyrighted by Tele Atlas and its Licensors and they retain all ownership rights in the Data. You agree not to alter, remove, obliterate, or obscure any copyright notice or proprietary legend contained in or on the Data. The current copyrights are to be referred Section 12 below.

3 Limitation of Liability.

NEITHER TELE ATLAS NOR ITS SUPPLIERS SHALL BE LIABLE TO THE UNDERSIGNED FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR EXEMPLARY DAMAGES ARISING OUT OF THIS AGREEMENT, INCLUDING LOST PROFITS OR COSTS OF COVER, LOSS OF USE OR BUSINESS INTERRUPTION OR THE LIKE, REGARDLESS OF WHETHER THE PARTY WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, TELE ATLAS SHALL HAVE NO MONETARY LIABILITY TO THE UNDERSIGNED FOR ANY CAUSE (REGARDLESS OF THE FORM OF ACTION) UNDER OR RELATING TO THIS AGREEMENT.

4 Warranty Disclaimer.
THE DATA IS PROVIDED ON AN "AS IS" AND "WITH ALL FAULTS BASIS" AND PIONEER, ITS LICENSORS, AND ITS LICENSED DISTRIBUTORS AND SUPPLIERS (COLLECTIVELY, "SUPPLIERS") EXPRESSLY DISCLAIM ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, EFFECTIVENESS, COMPLETENESS, ACCURACY, TITLE AND FITNESS FOR A PARTICULAR PURPOSE. PIONEER, ITS LICENSORS AND SUPPLIERS DO NOT WARRANT THAT THE DATA WILL MEET YOUR REQUIREMENTS OR THAT THE OPERATION OF THE DATA WILL BE UNINTERRUPTED OR ERROR FREE. NO ORAL OR WRITTEN ADVICE GIVEN BY PIONEER, ITS LICENSORS, SUPPLIERS OR ANY OF THEIR RESPECTIVE EMPLOYEES CREATES A WARRANTY OR IN ANY WAY INCREASES PIONEER', ITS LICENSORS OR SUPPLIERS LIABILITY AND YOU MAY NOT RELY ON ANY SUCH INFORMATION OR ADVICE. THIS DISCLAIMER IS AN ESSENTIAL CONDITION OF THIS AGREEMENT AND YOU ACCEPT THE DATA ON THIS BASIS.

5 Termination.
This Agreement will terminate immediately and automatically, without notice, if you breach any term of this Agreement. You agree that in the event of termination of the Agreement, you shall return the Data (including all documentation and all copies) to PIONEER and its suppliers.

6 Indemnity.
You agree to indemnify, defend and hold PIONEER, its Licensors, and its suppliers (including their respective licensors, suppliers, assignees, subsidiaries, affiliated companies, and the respective officers, directors, employees, shareholders, agents and representatives) free and harmless from and against any liability, loss, injury (including injuries resulting in death), demand, action, cost, expense, or claim of any kind or character, including but not limited to attorney's fees, arising out of or in connection with any use or possession by you of the Data.

7 Additional Provisions with respect to the Great Britain Data and Northern Ireland data only.

1 End User shall be prohibited from removing or obscuring any copyright, trademark or restrictive legend belonging to Ordnance Survey.
2 Disclaim all warranties of Ordnance Survey, whether express or implied, including but not limited to, the implied warranties of non-infringement, merchantability, completeness, accuracy, and fitness for a particular purpose. End User shall acknowledge that Ordnance Survey makes no warranty and gives no representation that the Tele Atlas® MultiNet® data of the United Kingdom is complete, accurate and/or up to date and it is an essential condition of the Terms of Use that End User accepts the Tele Atlas® MultiNet® data of the United Kingdom on that basis. The Data may include the data of licensors, including Ordnance Survey.
3 Disclaim all liability of Ordnance Survey with respect to the Tele Atlas® MultiNet® data of the United Kingdom.
4 Prohibit the use of the Tele Atlas® MultiNet® data of the United Kingdom in any printed, published form that results in Value Added Product to be distributed freely or sold to the public without the prior permission of Ordnance Survey.
5 Indemnify Ordnance Survey from and against all claims, demands or actions, irrespective of the nature of the cause of the claim, demand or action alleging loss, costs, expenses, damages or injuries (including injuries resulting from death) arising out of the use of the Tele Atlas® MultiNet® data of the United Kingdom.

6 End User accepts the obligation to, on request, provide Ordnance Survey with information on what products and/or services containing and/or derived from the Licensed Tele Atlas Products they produce.
7 End User is liable to Ordnance Survey in the event of discovery of breach of the aforementioned contractual terms.
End User accepts the obligation to, on request, provide Ordnance Survey with information on what products and/or services containing and/or derived from the Licensed Products they produce.

Regarding audits
The rights of Tele Atlas as defined in this Agreement apply as well for Ordnance Survey's auditors' and/or the National Audit Office in case of delivery of UK data. Any sum payable shall be subject to interest at two percent (2%) over the base rate from time to time of National Westminster Bank plc from the date this sum was originally due up to the date of payment (whether before or after judgment).
Ordnance Survey and/or the National Audit Office shall have the right to audit End Users books or accounts directly on exactly the same terms as Licensee is so obliged in this Agreement so that Ordnance Survey has this right of audit in respect of any provider of products and/or services containing and/or derived from Licensed Tele Atlas Products.
Licensee hereby agrees that in the event of discovery of breach, the relevant End Users in breach and Licensee shall be jointly and severally liable to Ordnance Survey.

8 Additional Provisions with respect to the Norway Data only.
End User is prohibited from using the Tele Atlas® MultiNet® data of Norway to create commercial general purpose printed or digital maps, which are similar to the basic national products of the Norwegian Mapping Authority.

9 Additional provisions for Tele Atlas® Premium Points of Interest (the "POIs"). With respect to the POI Licensed Tele Atlas Products:
(The following provisions only refer to the products which contain Tele Atlas® Premium Points of Interest.)
End User specifically agrees that it shall not:
(a) except as otherwise specifically set forth herein, license or otherwise provide the POI Licensed Tele Atlas Products to any third party for the purposes of resale, sublicensing, redistribution or for the purpose of compiling, enhancing, verifying, supplementing, adding to or deleting from any mailing list, geographic or trade directories, business directories, classified directories, classified advertising which is sold, rented, published, furnished or in any manner provided to a third party;
(b) make the POI Licensed Tele Atlas Products available in an on-line environment unless properly secured and/or encrypted to prevent unauthorized access to the POI Licensed Tele Atlas Products; and
(c) use the POI Licensed Tele Atlas Products, either in whole or in part, as a factor in (i) establishing an individual's eligibility for credit or insurance; (ii) connection with underwriting individual insurance; (iii) evaluating an individual for employment or promotions, reassignment or retention as an employee; (iv) in connection with a determination of an individual's eligibility for a license or other benefit granted by a governmental authority; or (v) for soliciting survivors of deceased persons.
(d) create mailing or telemarketing lists unless authorized in this Agreement.
(e) End User will house the POI Licensed Tele Atlas Products on the Internet behind firewalls and will implement a system of controls that will (i) protect the integrity of the POI Licensed Tele Atlas Products; (ii) control access to the POI Licensed Tele Atlas Products and (iii) prevent unauthorized usage or copying of the POI Licensed Tele Atlas Products.

10 Additional provisions for Tele Atlas® Brand Icon Licensed Tele Atlas Product (the "Brand Icon Licensed Tele Atlas Product"):
(The following provisions only refer to the products which contain Tele Atlas® Brand Icon Licensed Tele Atlas Product.)

a End User's use of the Brand Icon Licensed Tele Atlas Product and any portion thereof, is limited to use solely for the purpose of enhancing the value and/or use of the spatial vector data furnished or made by Tele Atlas. Notwithstanding anything to the contrary herein, or in any attachment or exhibit hereto, in no event shall End User use the Brand Icon Licensed Tele Atlas Product or any portion thereof in connection with or in conjunction with spatial street vector data furnished or made by a party other than Tele Atlas. End User may only use the icons, brand names, logos, trademarks or other features within (and not separate from) the map data. In addition, End User shall not modify or alter the color, shape, size, and orientation of the Brand Icon Licensed Tele Atlas Product as provided to End User without Tele Atlas's prior written approval.

b Licensee agrees that the use of Brand Icon Licensed Tele Atlas Product subject to the terms and conditions set forth in this Agreement and that there may be additional third party terms, conditions and restrictions to which the use of the Brand Icon Licensed Tele Atlas Product will be subject provided to the End User from time to time by Licensee in the release notes applicable to the Value Added Product.

c Should End User enter into any commercial arrangement for advertising, pay-for-placement, promotion or any similar paid brand marketing exposure with any owners (or their representatives) of any of the brand icons supplied with the Brand Icon Licensed Tele Atlas Product, Tele Atlas shall receive no less than twenty five percent (25%) of any revenues collected in the context of any such commercial arrangement, unless otherwise agreed-to in advance and in writing by both parties.

11 Additional Provisions with respect to Tele Atlas® 3D Landmarks Licensed Tele Atlas Product (the "3D Landmarks"):
(The following provisions only refer to the products which contain Tele Atlas® 3D Landmarks Licensed Tele Atlas Product.)
Licensee agrees to include as soon as practically possible, but no later than the first new release of the Value Added Product following Licensee's receipt of any 3D Landmarks, any copyright notices related to the display of such landmarks on every Value Added Product and in the "about box" of the Value Added Product. Notwithstanding the aforementioned, Tele Atlas has the right to decide, at its sole discretion, to remove specific 3D Landmarks in subsequent releases of the Licensed Tele Atlas Products. In such case, Licensee will remove those 3D Landmarks from the Value Added Product as soon as practically possible, but not later than the first new release of the Value Added Product following Licensee's receipt of the Update to the Licensed Tele Atlas Product. Tele Atlas shall not be held responsible for any possible damages, costs or expenses incurred by Licensee related to such removal of a 3D Landmark by Tele Atlas from the Licensed Tele Atlas Product or failure to remove a 3D Landmark by Licensee from the Value Added Product.

12 Copyright Notices.
Licensee shall conspicuously display each applicable then current copyright notice for the Licensed Tele Atlas Products on the initial splash screen, in the code, on the storage medium, on the packaging, in the "Help/About" section, in the operator's manual, and in any displayed or printed map image, for each Value Added Product that is based upon:

1 *Tele Atlas® MultiNet® Europe*. As of the Effective Date, the copyright notice is: "Data Source © 2009 Tele Atlas B.V."; and, in addition, "based on":

a *Tele Atlas® MultiNet® data of Austria*. As of the Effective Date, the copyright notice is: "© BEV, GZ 1368/2003."

b *Tele Atlas® MultiNet® data of Denmark*. As of the Effective Date, the copyright notice is: "© DAV, violation of these copyrights shall cause legal proceedings."

c *Tele Atlas® MultiNet® data of France*. As of the Effective Date, the copyright notice is: "© IGN France.", "Michelin data © Michelin 2009"

d *Tele Atlas® MultiNet® data of the United Kingdom (excluding Northern Ireland)*. As of the Effective Date, the following applies: This product includes mapping data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office. © Crown copyright and/or database right 2009. All rights reserved. Licence number 100026920.

e *Tele Atlas® MultiNet® data of Northern Ireland*. As of the Effective Date, the copyright notice is: "Ordnance Survey of Northern Ireland."

f *Tele Atlas® MultiNet® data of Norway*. As of the Effective Date, the copyright notice is: "© Norwegian Mapping Authority, Public Roads Administration / © Mapsolutions."

g *Tele Atlas® MultiNet® data of Russia:* As of the Effective Date, the copyright notice is: "© Roskartographia"

h *Tele Atlas® MultiNet® data of Switzerland*. As of the Effective Date, the copyright notice is: "© Swisstopo."

i *Tele Atlas® MultiNet® data of The Netherlands*. As of the Effective Date, the copyright notice is: "Topografische onderground Copyright © dienst voor het kadaster en de openbare registers, Apeldoorn 2006."

13 Miscellaneous.

This is the exclusive and complete Agreement between the Licensors and you regarding its subject matter. Nothing in this Agreement shall create a joint venture, partnership or principal-agent relationship between the Licensors and you. Sections 2, 5 and 7 - 12 shall survive the expiration or termination of this Agreement. This Agreement may be amended, altered, or modified only by PIONEER. You may not assign any part of this Agreement without PIONEER' prior written consent. You acknowledge and understand that the Data may be subject to restrictions on exportation and agree to comply with any applicable export laws. In the event that any provision or part of a provision of this Agreement is determined to be invalid, illegal, or unenforceable, such provision or part thereof shall be stricken from this Agreement and the remainder of this Agreement shall be valid, legal, and enforceable to the maximum extent possible. Any notice under this Agreement shall be delivered by courier to PIONEER, Attention Legal Department. ■

Licenses

7-Zip

License for use and distribution

7-Zip Copyright (C) 1999-2007 Igor Pavlov.

Licenses for files are:

1) 7z.dll: GNU LGPL + unRAR restriction
2) All other files: GNU LGPL

The GNU LGPL + unRAR restriction means that you must follow both GNU LGPL rules and unRAR restriction rules.

Note:
You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.

GNU LGPL information

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

unRAR restriction

The decompression engine for RAR archives was developed using source code of unRAR program.
All copyrights to original unRAR code are owned by Alexander Roshal.

The license for original unRAR code has the following restriction:

The unRAR sources cannot be used to re-create the RAR compression algorithm, which is proprietary. Distribution of modified unRAR sources in separate form or as a part of other software is permitted, provided that it is clearly stated in the documentation and source comments that the code may not be used to develop a RAR (WinRAR) compatible archiver.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free

program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a “work that uses the Library”. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a “work that uses the Library” with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a “work that uses the library”. The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a “work that uses the Library” uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a “work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will oper-

ate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free

Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

> <one line to give the library's name and a brief idea of what it does.>
> Copyright (C) <year> <name of author>
>
> This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.
>
> This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
>
> You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

> Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
>
> <signature of Ty Coon>, 1 April 1990
> Ty Coon, President of Vice

That's all there is to it!

7-Zip Source Notice

The software program used in this product contains 7-Zip library. 7-Zip contains the software granted permission for the usage under the terms of the GNU Lesser General Public License. A copy of appropriate source code is available at customer necessary expense for the distribution.
Please contact our Customer Support Center to obtain a copy. For more information on the GNU Lesser General Public License, visit the GNU's website at http://www.gnu.org.

Portions of the software in this product are copyright 1996 – 2007 The FreeType Project (www.freetype.org).
All rights reserved. Licensed under the Free- Type Project LICENSE, 2006-Jan-27. (http://www.freetype.org/FTL.TXT)

About the data for the map database

- Modifications related to roads, streets/highways, terrain, construction and other things before/during the development period may not be reflected in this database. Inevitably, those modifications after that period are not reflected in this database.
- Regardless of existing and newly-built things, the data may be different from the actual condition.
- For details about the map coverage of this navigation system, refer to the information on our website.
- It is strictly prohibited to reproduce and use any part or the whole of this map in any form without permission from the copyright owner.
- If the local traffic regulations or conditions deviate from this data, follow the local traffic regulations (such as signs, indications, etc.) and conditions (such as construction, weather, etc.).
- The traffic regulation data used in the map database applies only to standard sized passenger vehicles. Note that regulations for larger vehicles, motorbikes, and other non-standard vehicles are not included in the database.
- Map Version, Tele Atlas. Rel. 06/2009. ■

The navigation system upgrade process

1 Check the device number of your navigation system.
➲ For details of the operation, refer to *Checking the device number* on this page.

⬇

2 Get the password for authentication.
➲ For details, refer to *Getting the password for authentication* on this page.

⬇

3 Upgrade the software programme of your navigation system.
➲ For details of the operation, refer to *Upgrading the software programme and the map database* on the next page.

⬇

4 Check whether the upgrade was done properly.
➲ For details of the operation, refer to *Checking whether the upgrade was done properly* on page 21.

⬇

5 Update the Bluetooth firmware.
➲ For details of the operation, refer to *Updating the Bluetooth wireless technology software* on page 21.

■

Preparation for upgrade

Checking the device number

First, check your device number (DEVICE NUMBER, displayed such as Device # or Device Number) of your navigation system for later procedures. To display the device number, do the following.

1 Press the HOME button to display the "Top Menu" screen.

2 Touch [Settings].
The "**Settings Menu**" screen appears.

3 Touch [System Settings].
The "**System Settings**" screen appears.

4 Touch [Service Information].
The "**Service Information Screen**" screen appears.

5 Write down your device number (Device Number) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.
❒ Also write down "**Version**" information which would be used to confirm completion of the update.

Getting the password for authentication

For upgrade, an unique password issued online is necessary. Access the website with your PC and get your password.
The following information is required.
- Media Number (MEDIA NUMBER) printed on supplied Media Number Card (MEDIA NUMBER CARD)
- Device Number (DEVICE NUMBER) of your navigation system

1 Access on the following website to issue your password.
http://www.pioneer.eu/UnlockNavgate
For issuing the password, follow the instruction on the website.

2 Record the password that you received.
You need to input this password accurately. Write down your password to avoid mistakes.

Upgrade procedures

- NEVER stop the engine of your vehicle or turn off the power supply to the navigation system until the installation is completed. Turning the power off during upgrade process causes a malfunction or failure of the navigation system.
- No functions are available during upgrade process.

Upgrading the software programme and the map database

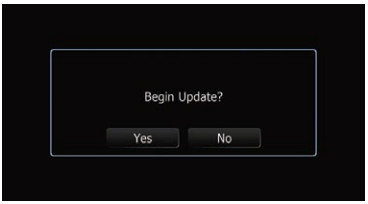
This section describes the upgrade procedures for your navigation system.

❒ The upgrade takes approximately 30 minutes in total.

1 Park your vehicle in a safe place and apply the handbrake.

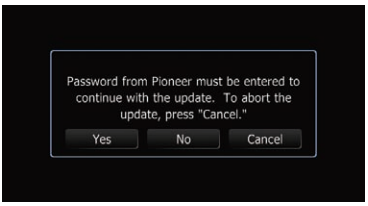
2 Insert the upgrade SD memory card #1 into the SD card slot.
The message confirming whether or not to start the update will appear.

3 Touch [Yes].



The message confirming whether or not to enter the password will appear.

4 Touch [Yes].



After a short pause, the keyboard for entering the password will appear.

- Touch [**No**].

Shows the device number (Device #) of your navigation system.

- Touch [**Cancel**].

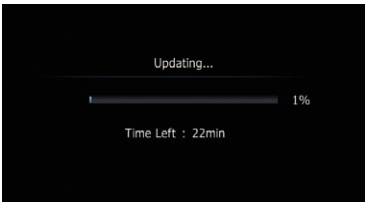
Cancels the update.

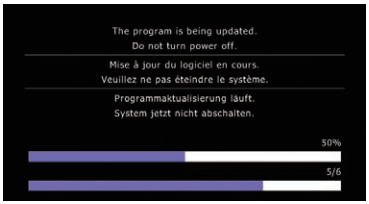
5 Enter the password for authentication that you obtained, then touch [OK].

A message confirming whether to restart the navigation system appears.

6 Touch [OK].
The navigation system restarts and then the installation begins.

7 Wait until the upgrade process is complete.





After the installation is complete, the navigation system restarts.

Checking whether the upgrade was done properly

Display "**Service Information Screen**" screen to compare the current version number with the previous one.

1 Press the HOME button to display the "Top Menu" screen.

2 Touch [Settings].
The "**Settings Menu**" screen appears.

3 Touch [System Settings].
The "**System Settings**" screen appears.

4 Touch [Service Information].
The "**Service Information Screen**" screen appears.

5 Check the version information.

Updating the Bluetooth wireless technology software

Access the Pioneer website to check your phone's compatibility. If your phone is on the list and you wish to update, manually update the Bluetooth firmware after the automatic upgrade is finished.

http://www.pioneer.eu

CAUTION

- Be sure to upgrade your navigation system first.
- Be careful to follow the update procedure correctly. If you make a mistake, Bluetooth wireless technology functions will become unavailable.
  - ❒ Consult your authorised dealer if you are unable to use Bluetooth wireless technology functions.
- Be sure to complete the Bluetooth firmware update procedure without interruption.

❒ Registered phones that are listed on the "**Connection List**" screen are cleared by the software update.

1 Insert the upgrade SD memory card #1 into the SD card slot.

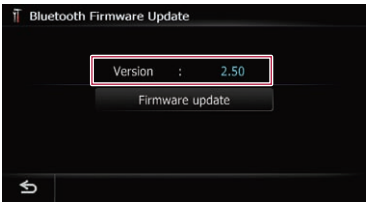
2 Press the HOME button to display the "Top Menu" screen.

3 Touch [Settings].
The "**Settings Menu**" screen appears.

4 Touch [Bluetooth Settings].
The "**Bluetooth Settings**" screen appears.

5 Touch [Firmware update].
The current version is displayed.

6 Confirm the Bluetooth firmware version.
Make sure that the current version is 2.50.



7 Touch [Firmware update].
The message confirming whether or not to start the update will appear.

8 Make sure that the current Bluetooth firmware version is 2.50 and the new Bluetooth firmware version is 3.10.

9 Touch [Yes].
Update starts.

10 Wait until the upgrade process is complete.
A message will appear after the update is complete.

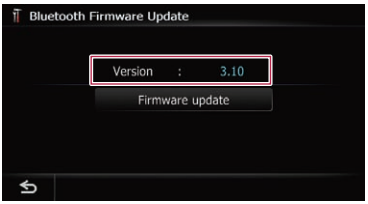
11 Touch [OK].
The message disappears, and the map screen returns.

12 Eject the upgrade SD memory card #1.

13 Insert the upgrade SD memory card #2 into the SD card slot.

14 Repeat steps 2 through 5.

15 Confirm the Bluetooth firmware version.
Make sure that the current version is 3.10.



16 If the current version is 3.10, touch [Firmware update].
The message confirming whether or not to start the update will appear.

- ❒ If the current version is 2.50, return to step 1.

17 Make sure that the current Bluetooth firmware version is 3.10 and the new Bluetooth firmware version is 3.11.

18 Touch [Yes].
Update starts.

19 Wait until the upgrade process is complete.
A message will appear after the update is complete.

20 Touch [OK].
The message disappears, and the map screen returns.

21 Eject the upgrade SD memory card #2.
Update is completed. ■

By upgrading AVIC-F10BT with this product, functions and operations will be equivalent to AVIC-F20BT. Therefore, obtain the Operation Manual for AVIC-F20BT and use it as your primary reference.

http://www.pioneer.eu

If you upgrade your navigation system using this SD memory card, the system will have the following changes.

Eco-driving function

- The Eco-driving functions are an estimate of the real time fuel consumption to average fuel consumption ratio and is not an actual value.
- The Eco-driving functions and calculations take into consideration the location of the GPS position and speed of the vehicle in determining a value.
- Indications of the navigation system may be different from the actual value.
- Some of the features of the navigation system do not take in to consideration the type of vehicle it is installed into.

Upgrading enables the Eco-driving function, which supports environmentally-friendly driving.

- Displaying Eco-Meter on the map
- Displaying "**Eco Graph**"
- Displaying Eco Drive Level guidance
- Sudden start alert

Displaying tick marks on the "Overlay POI (Main Category)" screen

A tick mark appears next to the main category containing the selected sub-category.

AV functions

The AV source screen design and operation procedure will be changed.

❒ Refer to this manual for DVD-VR operation procedures.

➲ For details of the operation, refer to *Playing a DVD-VR disc* on the next page.

Interruption icon status

The display status for the **TRFC** indicator and **NEWS** indicator will be changed.

Switching the playback of the voice recognition beep

You will be able to make settings to turn on and off the beep sound that plays when voice recognition starts.

❒ This setting is available on the "**Volume Settings**" screen.

Setting the illumination colour

"**Memory 3**" will be changed to "**Eco**".

You can play a DVD-VR (DVD Video Recording Format) disc using the built-in drive of the navigation system. This section describes operations for DVD-VR discs.

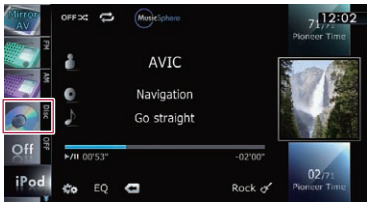
Starting procedure

1 Press the MODE button to display the AV operation screen.

2 Insert the disc you want to play into disc-loading slot.

The source changes and then playback will start.

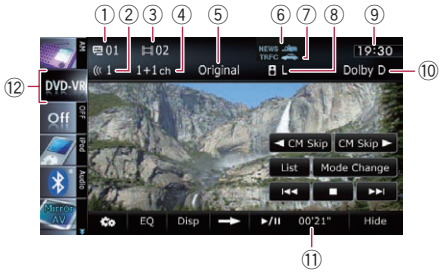
❒ If the disc is already set, tap [**Disc**] on the left edge of the screen.



3 Use the touch panel keys on the screen to control the disc.

➲ For details, refer to *Using the touch panel keys* on the next page.■

Reading the screen



① **Title number indicator**
Shows the title number currently playing.

② **Audio track indicator**
Shows the audio track number currently selected.

③ **Chapter number indicator**
Shows the chapter number currently playing.

④ **Audio channel indicator**
Shows the current audio channel type, such as "**Mch**" (Multi-channel).

⑤ **Play mode indicator**
Shows the current play mode.
➲ For details, refer to *Switching the playback mode* on page 27.

⑥ **NEWS indicator**
Shows the status of news programmes.

⑦ **TRFC indicator**
Shows the status of traffic announcements.

⑧ **Mixing condition indicator**
Shows the current mixing condition.
➲ For details, refer to ***Selects audio output*** on page 28.

⑨ **Current time**

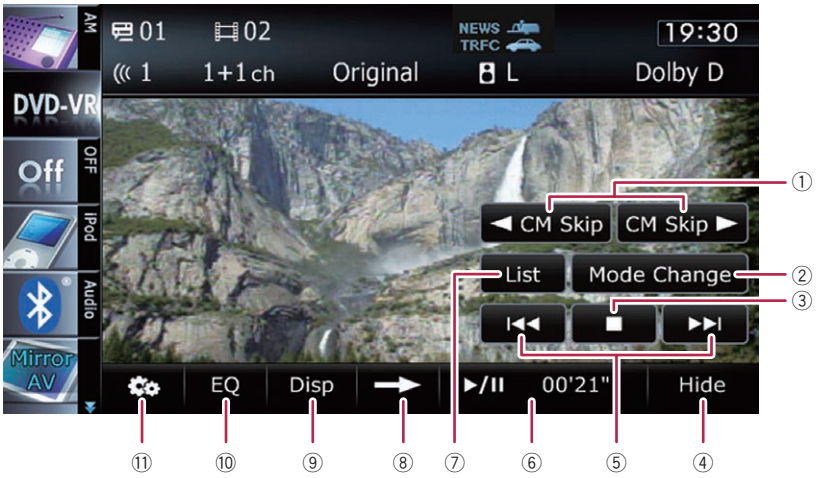
⑩ **Digital sound format indicator**
Shows which digital sound format (surround sound format) has been selected.

⑪ **Play time indicator**
Shows the elapsed playing time within the current title.

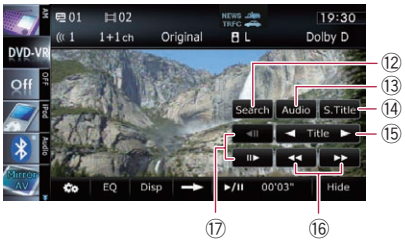
⑫ **Source icon**
Shows which source has been selected.■

Using the touch panel keys

Playback screen (page 1)



Playback screen (page 2)



❒ With some discs, the icon ⃠ may be displayed, meaning that the operation is invalid.

① **◄ CM Skip/CM Skip ►**

➲ For details, refer to *Using the short-time skip function* on page 27.

② **Switches the playback mode**

➲ For details, refer to *Switching the playback mode* on page 27.

③ **Stops playback**

④ **Hides the touch panel keys and information of the current video**

Touching [**Hide**] shows only the current video. To display the touch panel keys and information of the current video, touch the screen.

⑤ **Skips forward or backward**

Touching [►►I] skips to the start of the next chapter. Touching [I◄◄] once skips to the start of the current chapter. Touching it twice quickly will skip to the previous chapter.

❒ You can also perform these operations by using the **TRK** (◄/►) button.

⑥ **Playback and Pause**

Touching [►/II] switches between playback and pause.

⑦ **Displays the title list**

Displays the title list recorded on the disc.

❒ A dash (–) is displayed if there is no corresponding information.

➲ For details, refer to *Playing by selecting from the title list* on the next page.

⑧ **Switches to the next page of touch panel keys**

⑨ **Switches the display**
Touching [**Disp**] changes the information as follows:
Disc information display — Repeat range display and on-off state of the subtitle

⑩ **Recalls equaliser curves**
➲ For detailed operations, refer to the Operation Manual for AVIC-F20BT.

⑪ **Displays the "Function" menu**
➲ For details, refer to *Using the "**Function**" menu* on page 28.

⑫ **Searches for a desired scene and starts playback from a specified time**
➲ For details, refer to *Searching for a specific scene and starting playback from a specified time* on this page.

⑬ **Changes audio tracks (Multi-audio)**
Each touch of [**Audio**] switches between audio tracks.
❒ Display indications such as **MPEG-A** and **Mch** describe the audio track recorded on the DVD. This indication may not be the same as the actual sound currently output from the navigation system.

⑭ **Changes the subtitle (Multi-subtitle)**
Each touch of [**S.Title**] switches between the subtitle languages recorded on the disc.

⑮ **Skips the title forward or backward**
Touching [►] skips to the start of the next title.
Touching [◄] skips to the start of the previous title.

⑯ **Fast reverse or forward**
Touch [◄◄] or [►►] to perform fast reverse or forward.
If you touch and hold [◄◄] or [►►] for five seconds, fast reverse/fast forward continues even if you release either of these keys. To resume playback at a desired point, touch [►/II], [◄◄] or [►►] opposite to key pushed for five seconds.

⑰ **Frame-by-frame playback (or slow-motion playback)**
➲ For details, refer to *Frame-by-frame playback* on the next page.
➲ For details, refer to *Slow motion playback* on the next page.

Playing by selecting from the title list

You can select and play the title you want from the list.

1 Touch [List] on the playback screen.

2 Scroll by dragging items up or down, and display the item you want to select.
❒ Flicking a list item enables you to quickly scroll through the list.
❒ To stop scrolling, gently touch the list.

3 Touch the title to play from the list.

4 Touch the key on the right edge of the screen.

The previous screen returns.

Searching for a specific scene and starting playback from a specified time

You can search for the scene you want by specifying a title or a chapter, and the time.

❒ Chapter search and time search are not available when disc playback has been stopped.

1 Touch [Search] and then touch [Title] (title), [Chapter] (chapter), [Time] (time).

2 Touch the keys to input the target number or time and then touch [Enter].

For titles, chapters

- To select 3, touch [**3**] and [**Enter**] in order.
- To select 10, touch [**1**] and [**0**] and [**Enter**] in order.

For time (time search)

- To select 5 minutes 3 seconds, touch [**5**], [**min**], [**3**], [**sec**] and [**Enter**] in order.
- To select 71 minutes 00 seconds, touch [**7**], [**1**], [**min**] and [**Enter**] in order.
- To select 100 minutes 05 seconds, touch [**1**], [**0**], [**0**], [**5**], [**sec**] and [**Enter**] in order.

❒ To cancel an input number, touch [**Clear**]. To cancel the input numbers, touch and hold [**Clear**].

Switching the playback mode

You have two methods for playing DVD-VR discs; **Original** (original) and **Playlist** (playlist).

❒ Titles created with DVD recorders are called original. Those based on original, rearranged titles are called playlist. Playlists are created on DVD-R/-RW discs.

● **Touch [Mode Change] to switch the play mode.**

If the play mode is changed, playback starts from the beginning of the selected play mode.

Using the short-time skip function

This function enables you to skip over your specified interval on the video playback. This is useful to skip commercials on your recorded DVD-VR disc.

● **To skip progressively backward or forward, touch [◄ CM Skip] or [CM Skip ►].**

Each touch of [**◄ CM Skip**] or [**CM Skip ►**] changes steps in the following order:

◄ CM Skip

5 sec. — 15 sec. — 30 sec. — 1 min. — 2 min. — 3 min. — 0 sec.

CM Skip ►

30 sec. — 1 min. — 1.5 min. — 2 min. — 3 min. — 5 min. — 10 min. — 0 sec.

Frame-by-frame playback

This lets you move ahead one frame at a time during playback.

● **Touch [II►] during playback.**

Each time you touch [II►], you move ahead one frame.

To return to normal playback, touch [►/II].

❒ With some discs, images may be unclear during frame-by-frame playback.

Slow motion playback

This lets you slow down playback speed.

1 Touch and hold [II►] until ▪▪◗ is displayed during playback.

The icon ▪▪◗ is displayed, and forward slow motion playback begins.

❒ To return to normal playback, touch [►/II].

2 Touch [◄II] or [II►] to adjust playback speed during slow motion playback.

Each time you touch [◄II] or [II►] it changes the speed in four steps in the following order:

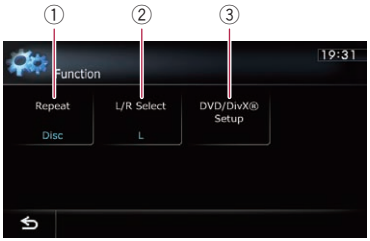
1/16 ⟷ 1/8 ⟷ 1/4 ⟷ 1/2

❒ There is no sound during slow motion playback.

❒ With some discs, images may be unclear during slow motion playback.
❒ Reversed slow motion playback is not possible.

Using the "Function" menu

● **Touch on the "DVD-VR" screen.**
The "**Function**" menu appears.



① **Changes the repeat range**
Each touch of [**Repeat**] changes the setting as follows:
- **Disc**: Plays throughout the current disc.
- **Chapter**: Repeats just the current chapter.
- **Title**: Repeats just the current title.

❒ If you perform chapter (title) search, fast forward, fast reverse or slow motion playback, the repeat play range changes to "**Disc**".
❒ This function is not available when disc playback has been stopped.

② **Selects audio output**
When playing DVDs that both channels are recorded in monaural, you can switch the audio output. Touch [**L/R Select**] repeatedly until the desired audio output appears in the display.
Each touch of [**L/R Select**] changes the settings as follows:
- **L**: Left
- **R**: Right
- **Mix**: Mixing left and right
- **L+R**: Left and right

❒ This function is not available when disc playback has been stopped.

③ **DVD setup adjustments**
➲ For detailed operations, refer to the Operation Manual for AVIC-F20BT.

Problems in the procedures for updating

Symptom	Cause	Action
The upgrade process doesn't start and the navigation system boots up as usual.	An incorrect SD memory card has been inserted.	Eject the inserted SD memory card and insert the correct upgrade SD memory card.
	Upgrade has been already done.	Check whether the upgrade was done properly. If the upgrade has not been done yet, consult the nearest authorised service station.
	The screen that cannot begin the upgrade process is displayed.	Eject the upgrade SD memory card #1, and display the map of your current position, and then reinsert the upgrade SD memory card #1.
The navigation system does not work properly after upgrade.	The engine of your vehicle was stopped or the power supply to the navigation system was turned off during upgrade process.	Consult the nearest authorised service station.
	Upgrade SD memory card was pulled out during upgrade process.	Consult the nearest authorised service station.

Messages in the procedures for updating

The following messages may be displayed by your navigation system. Refer to the table below to identify the problem, then take the suggested corrective action.
There are occasions when you may see error messages other than those shown here. In such a case, follow the instructions given on the display.

Message	When	What to do
An error occurred and the update failed.	Unexpected error occurred in the update process.	Consult your local Pioneer dealer if this message persist.

http://www.pioneer.eu

Visit **www.pioneer.co.uk** (or **www.pioneer.eu**) to register your product.
Visite **www.pioneer.es** (o **www.pioneer.eu**) para registrar su producto.
Zum Registrieren Ihres Produktes besuchen Sie bitte **www.pioneer.de** (oder **www.pioneer.eu**) .
Visitez **www.pioneer.fr** (ou **www.pioneer.eu**) pour enregistrer votre appareil.
Si prega di visitare il sito **www.pioneer.it** (o **www.pioneer.eu**) per registrare il prodotto.
Bezoek **www.pioneer.nl** (of **www.pioneer.eu**) om uw product te registreren.
Посетите **www.pioneer-rus.ru** (или **www.pioneer.eu**) для регистрации приобретенного Вами изделия.

PIONEER CORPORATION
1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi,
Kanagawa 212-0031, JAPAN

PIONEER ELECTRONICS (USA) INC.
P.O. Box 1540, Long Beach, California 90801-1540, U.S.A.
TEL: (800) 421-1404

PIONEER EUROPE NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium/Belgique
TEL: (0) 3/570.05.11

Published by Pioneer Corporation.
Copyright © 2010 by Pioneer Corporation.
All rights reserved.

<KMZZX> <10F00000>

<CRB3482-A> EU